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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/727,569	11/30/2000	Afzal Khalfay	4678-1	6726

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EXAMINER

CHUONG, TRUC T

ART UNIT	PAPER NUMBER
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2174

DATE MAILED: 05/12/2003

7

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/727,569

Applicant(s)

KHALFAY ET AL.

Examiner

Truc T Chuong

Art Unit

2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-10 and 13 is/are rejected.
- 7) ☒ Claim(s) 11-12 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____. | 6) <input type="checkbox"/> Other. |

Art Unit: 2174

DETAILED ACTION

Claim Objections

1. Claim 6 is objected to because of the following informalities: should be ended with a “.” instead of a “,”. Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Yoshida et al. (U.S. Patent No. 6,249,905 B1).

As to claim 1, Yoshida teaches a method for providing one or more graphical user interfaces, comprising:

for each said graphical user interface (GUI) the following steps (A) - (C) are performed:

(A) activating an encoding of a computer application for which the GUI provides a user interactive computer display for the computer application (GUI, col. 3 lines 31 and figs. 4a-e);

(B) activating a GUI generator for performing the following substeps:

Art Unit: 2174

(a) retrieving, from a predetermined data repository (database, col. 4 lines 50-60), GUI specification information (plurality of accounts, col. 4 lines 55-67), wherein said GUI specification information includes (i) and (ii) following:

(i) at least one GUI page definition for defining a corresponding page of said GUI (icons represent reuse program component, col. 6 lines 8-14), wherein said GUI page definition includes one or more occurrences of presentation data, wherein each said occurrence is related to a corresponding one of one or more GUI user interaction techniques, wherein each said user interaction technique has a distinct collection of user interactions for allowing a user to request a performance of one of a predetermined one or more actions provided by the technique (the user's interaction with the application, col. 6 lines 1-45);

(ii) at least one mapping for associating a user request input to said at least one page with a corresponding application functionality that is substantially independent of a format for a display of said page (mapping, col. 5 lines 37-45);

(b) generating using said presentation data occurrences, a corresponding GUI encoding for each of said user interaction techniques (each transaction for processing, col. 6 lines 15-60);

(C) executing each said GUI encoding for presenting a corresponding instance of said corresponding user interaction technique to the user (execution of reuse components, col. 9 lines 27-40), wherein each said instance is included in at least a portion of a GUI display of said page (display graphic representations, col. 9 lines 40-67).

Art Unit: 2174

As to claim 2, Yoshida teaches the method of Claim 1, wherein said GUI specification information includes an identification of a natural language for use in the display of said page (fig. 4f shows natural language such as: Quantity, Price, Tax, etc.).

As to claim 3, Yoshida inherently teaches the method of Claim 1 wherein for each of a first and second of said GUIs, said corresponding GUI specification information includes data for providing a display layout wherein an ordering of GUI information on said display is substantially opposite from that of the other of said first and second GUIs because Yoshida's GUI can be understood broadly to encompass any suitable graphic representations (col. 4 lines 35-45).

As to claim 4, Yoshida teaches the method of Claim 1, wherein for at least a first of said GUIs, during said activation of the application, said page has a first GUI display obtained using a first instance of said GUI specification information, and a second GUI display obtained using a second instance of said GUI specification (a single subclass is used to define a common interface, col. 7 lines 60-62 and col. 9 lines 47-65).

As to claim 5, Yoshida teaches the method of Claim 4, wherein said first and second GUI displays of said page use a different one of said GUI user interaction techniques for activating a same said corresponding application functionality for said page (Input Icon 47 of fig. 4d and activate and input window 49 of fig. 4e, col. 6 lines 15-45).

As to claim 6, the method of Claim 5, wherein each of said user interaction techniques includes a different collection of one or more of: an application bar, panels, a button, a comboBox, a groupBox, a checkBox, an actionBar (buttons, figs. 4a-b).

Art Unit: 2174

As to claim 7, Yoshida teaches the method of Claim 1 further including, for at least one of said GUIs, a step of changing, in said data repository (stored the defined input data, col. 10 lines 13-23), one of said occurrences of said presentation data to a different occurrence of said presentation data (accordance with the input data, col. 10 lines 25-33), wherein during a subsequent presentation of said page (process tree, col. 6 lines 20-32 and figs. 4a-c), a presentation of one of said corresponding user interaction techniques for said one occurrence is changed to a presentation of a different one of said user interaction techniques (see the rejection of claim 5 above).

As to claim 8, Yoshida teaches the method of Claim 7, said subsequent presentation of said page is provided without a step of linking or recompiling with said application (col. 7 lines 3-10 and col. 9 lines 11-18).

As to claim 9, Yoshida teaches the method of Claim 7, further including a step of receiving, via a communications network transmission, said different occurrence of said presentation data (network, col. 4 lines 8-19).

As to claim 13, this is an apparatus claim of method claims 1 and 4. Note the rejections of claims 1 and 4 above.

As to claim 10, it is individually similar in scope to claim 13 above; therefore, rejected under similar rationale.

Art Unit: 2174

Allowable Subject Matter

4. Claims 11 and 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The following is a statement of reasons for the indication of allowable subject matter:

The prior art either alone or in combination doesn't teach the limitation of Claim 11 for allowing a user interface designer to create a second user interaction specification information for replacing the first user interaction specification information in the data repository, wherein the user interface builder has a user interface wherein the designer is able to drag and drop graphical representations of user interaction controls onto a page of the second user interface in combination with the other claimed features.

The prior art either alone or in combination doesn't teach the limitation of Claim 12 for data repository and an instance of the user interface generator at each of a plurality of remote Internet sites, wherein for each said instance, DB, of the data repository, the first user interface specification information therein identifies a user interface layout and language that is preferable to a user at the Internet site for DB in combination with the other claimed features.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Briggs (U.S. Patent No. 6,397,384 B1) teaches COM Object, without recompile, and GUI (cols. 1-10 and figs. 1-7).

Art Unit: 2174

De Boor et al. (U.S. Patent No. 6,173,316 B1) teach software, network, recompile and without recompile, display, and code execution (cols. 3-58 and figs. 1-25).

Hill et al. (U.S. Patent No. 6,397,206 B1) teach without modify or recompile the application, matching, GUI, and database (cols. 4-17 and figs. 2-14).

Jenkins (U.S. Patent No. 6,401,114 B1) teach without recompile, GUI, network, Internet, storage, and Web (cols. 1-6 and figs. 1-6).

Lin et al. (U.S. Patent No. 6,178,549 B1) teach without recompile, instructions, and programming language (cols. 2-11 and fig. 1).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Truc T Chuong whose telephone number is 703-305-5753. The examiner can normally be reached on M-F 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L. Kincaid can be reached on 703-308-0640. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Truc T. Chuong
May 5, 2003

Kristine Kincaid
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SUPERVISORY PATENT EXAMINER
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